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Palo Alto, Stanford University, Professor V. L. Kellogg.

Philadelphia, University of Pennsylvania, Dr. C. C. Harrison.

*Academy of Natural Sciences, Dr. A. E. Brown.

*American Philosophical Society, Professor H. F. Osborn.

Pittsburg, Carnegie Institute, Dr. Samuel Harden Church.

Princeton, Princeton University, Professor W. B. Scott and Professor W. O. Richardson.

San Francisco, *California Academy of Sciences, Dr. G. E. Hale.

St. Louis, Washington University,

Washington, Smithsonian Institution, Dr. C. D. Walcott.

Carnegie Institution, Dr. R. S. Woodward.

Academy of Sciences, Dr. L. O. Howard.

U. S. Geological Survey,

The George Washington University,

Department of Agriculture,

Woods Hole, Marine Biological Laboratory, Dr. E. B. Wilson.

*Societies of which Charles Darwin was an honorary member.

AMERICAN CHEMICAL SOCIETY

THE summer meeting of the American Chemical Society will be held in Detroit, Mich., June 29 to July 2, and there is every prospect that the meeting will be one of the most largely attended and successful in the society's history. The local society of Detroit chemists is putting forth every effort to insure a successful gathering. One day of the meeting will be spent in Ann Arbor as the guests of the University of Michigan.

The council of the society will meet on June 28 and the opening session of the general meeting will be on the morning of June 29 in the Central High School which offers every facility for the meeting of the various divisions and sections of the society.

The Hotel Pontchartrain has been selected as headquarters for the meeting.

Titles of papers to be read at the summer meeting should be sent to the secretary of the society or to the secretaries of divisions and to find place on the program should reach me on or before June 7. Papers for the section of chemical education should be sent to the chairman, H. P. Talbot, Institute of Technology, Boston, Mass., before June 5.

A full program of the meeting will be sent to all members of the society about June 20.

CHARLES L. PARSONS,
Secretary

DURHAM, N. H.

SCIENTIFIC NOTES AND NEWS

At the last meeting of the American Academy of Arts and Sciences, it was voted to award the Rumford premium to Professor Robert W. Wood, of the Johns Hopkins University, for his discoveries in light and particularly for his researches on the optical properties of sodium and other metallic vapors.

At the last meeting of the Rumford committee of the American Academy the following grants were made: To Professor M. A. Rosanoff, of Clark University, for his research on the fractional distillation of binary mixtures, \$300; to Professor C. E. Mendenhall, of the University of Wisconsin, for his research on the free expansion of gases, \$300.

PROFESSOR F. W. PUTNAM has been elected honorary member of the Societa Italiana d'Anthropologia, Ethnologia e Psicologia Comparata of Florence, Italy. Since 1887 he has been a corresponding member of this society.

DALHOUSIE UNIVERSITY has given its doctorate of laws to Dr. A. Ross Hill, president of the University of Missouri, who graduated from Dalhousie in 1892.

PROFESSOR R. MELDOLA, F.R.S., has been elected a member of the Athenæum Club for scientific eminence.

THE Marine Biological Station of San Diego having developed to such an extent as to require the entire time of the scientific director; and having been so endowed as to make it possible for him to devote himself to it, the present director, Professor Wm. E. Ritter, will relinquish the active headship of the department of zoology in the University of California at the close of the present academic year and will take up his permanent residence at the station. After June 1 his address will be, therefore, La Jolla, California.

DR. E. E. SOUTHARD has been appointed pathologist to the Massachusetts Board of Insanity, from May 1, 1909. The position is a new one in Massachusetts. The appointee will be required "to visit the different institutions from time to time as the representative of the board, with particular reference to the supervision of clinical, pathological and research work, and, so far as possible, in an advisory capacity, to stimulate interest, co-ordinate efforts and promote the best results in this direction."

PROFESSOR E. T. ROBBINS, assistant animal husbandman, Iowa Experiment Station, has accepted a position on the editorial staff of the *Breeders' Gazette*, Chicago, Ill.

A GEODETIC survey department for Canada has been established under Dr. W. F. King, chief astronomer of the dominion.

DR. HEINRICH RIES, professor of economic geology at Cornell University, has been commissioned by the Canadian government to make a survey of the clay deposits of Canada.

THE University of Pennsylvania has granted leave of absence until October 1, 1910, to Philip P. Calvert, Ph.D., assistant professor of zoology, to enable him to go to Central America to pursue further researches on the ecology of tropical Odonata. This is in continuation of the studies which have grown out of his preparation of the account of these insects for the *Biologia Centrali-Americana*. Dr. and Mrs. Calvert sailed from New York on April 17 for Costa Rico.

DR. CARL LUMHOLTZ has gone to the arid regions of Sonora and the upper part of Lower California to make ethnological research among the Pima, Papago and Cocopa Indians. He will also study the physical geography of the little-known region between Rio de Altar and the mouth of the Colorado River. Dr. Lumholtz will be gone until next winter, returning in February or March.

DR. RAYMOND F. BACON, of the chemical division of the Bureau of Science, Manila, is spending five months in this country.

PROFESSOR VON RUNKER, director of the Agricultural Institute of Breslau, Germany, and Professor Erich Tschermakeder von Sey-

senegg, of the College of Agriculture, Vienna, Austria, have been sent by their governments to study agricultural experiment stations in the United States.

PROFESSOR CHARLES BASKERVILLE, director of the chemical laboratory, College of the City of New York, sailed for London on May 15 on the steamer *Kroonland*, to attend the Seventh International Congress of Applied Chemistry. He will be abroad all summer.

DR. MAX MEYER, professor of experimental psychology in the University of Missouri, will leave toward the end of May for a year's stay in Europe on leave of absence.

DR. A. LAWRENCE LOWELL, president-elect of Harvard University, will give the Phi Beta Kappa address at Columbia University on June 1, at 4:30 in the afternoon. The subject will be "Competition in College."

PROFESSOR RAYMOND DODGE gave an illustrated lecture on "The Nature and Practical Importance of Fatigue," before the Middletown Scientific Association on May 11.

PROFESSOR ROBERT FLETCHER, of the Thayer School of Civil Engineering at Dartmouth College, will give the memorial address at the Rose Polytechnic Institute of Terre Haute, Ind., on June 8. The occasion is the graduation of the twenty-fifth class, and the commemoration of founders day.

PROFESSOR JOHN C. OSTRUP, of Stevens Institute of Technology, delivered an address before the Canadian Society of Civil Engineers at Montreal, Canada, on the evening of May 6. The subject was "Some Features of the Design and the Construction of the Manhattan Suspension Bridge." The address was illustrated with lantern slides and brought out a spirited and interesting discussion.

AN anonymous benefactor has expressed his willingness to contribute a sum of £500, or so much of this sum as may be required, to supplement the £500 which the senate has voted towards defraying the cost of the Darwin commemoration at Cambridge.

DR. F. G. YEO, F.R.S., emeritus professor of physiology in King's College, London, has died at sixty-four years of age.

THE late Mr. W. H. Hudleston, the eminent geologist, has left his unrivaled collection of types of Oolitic Gasteropoda to the Sedgwick Museum, Cambridge, and £1,000 to the Geological Society.

THE University of Colorado has received an interesting collection of fishes from the river Nile, presented by the Egyptian government through Dr. Boulenger, of the British Museum.

WE learn from *Nature* that at a special general meeting of the Zoological Society on April 29, it was decided to dispose of the site of the society's freehold premises in Hanover Square, and to expend the proceeds upon the erection of new offices, library and meeting-room at the Zoological Gardens in Regent's Park, and on the general improvement of the gardens.

It is expected that the Marine Laboratory of the Johns Hopkins University will be reopened in Jamaica in 1910, so that graduate students and instructors will have the opportunity to study marine and mountain flora and fauna in the tropics and to obtain material for research problems.

On May 8 the Theta Chapter of Alpha Chi Sigma, the national chemical fraternity, was installed at the University of Nebraska by Dr. J. H. Mathews, of the University of Wisconsin, and Mr. L. S. Palmer, of the University of Missouri. The following men constitute the new chapter: Professor Benton Dales (director), Professor George Borrowman, Jr., P. B. Barker, O. L. Barneby, H. J. Broderson, M. R. Daughters, C. J. Frankforter, R. L. George, L. F. Gieseker, W. L. Hadlock, F. C. Hawks, W. D. Jensen, S. A. Mahood, G. R. McDole, W. H. Warren, A. L. Weaver and E. F. Wilson. Alpha Chi Sigma is a professional chemical fraternity, organized in 1902, with the purpose of promoting a fraternal spirit among chemists, of providing a reward for faithful undergraduate work and of providing a closer relationship between alumni and students. It now has chapters at the University of Wisconsin, University of Minnesota, Case School of Applied Science, University of Missouri, University of Indiana,

University of Illinois, University of Colorado and University of Nebraska. A chapter will shortly be installed at the Rose Polytechnic Institute.

THE annual dinner of the Syracuse Chapter of Sigma Xi was held at the St. Cloud Hotel on May 13. Research reports were called for as follows: department of astronomy, Professor H. A. Peck; chemistry, Professor E. N. Potter, zoology, Professor C. H. Richardson; mathematics, Professor W. H. Metzler; botany, Professor W. L. Bray. Professor E. N. Pattee was elected president; Dr. H. D. Senior, vice-president; Professor C. H. Richardson, secretary, and Professor F. F. Decker, treasurer. Mr. E. C. Keenan and Mr. N. E. Loomis were elected to membership as graduate students.

THE fourth meeting of the Research Workers in Experimental Biology of Washington was held at the Medical School of George Washington University on May 1. Dr. Oswald Schreiner, of the Bureau of Soils, spoke on "Some Factors of Soil Fertility." The lecturer laid special emphasis upon the influence of organic matter of the soil with reference to the biochemical relationships which exist between soil and crop and the microorganisms within the soil. The influence of organic compounds isolated from the soil on plant growth was illustrated by lantern slides and photo-micrographs of the crystalline materials were also shown. The lecture was followed by discussion.

MR. HENRY P. PHIPPS was formally presented on May 12 with the gold medal awarded him by the International Anti-Tuberculosis Association for his aid in waging war against consumption. The presentation was made by Dr. Lawrence F. Flick, at a dinner tendered at the Bellevue-Stratford in Philadelphia. Mayor Reyburn presided and the speakers were introduced by former Ambassador Tower. Mr. R. W. DeForest, president of the New York Charity Organization Society, responded to the toast "Henry Phipps, Citizen of New York," Hon. H. D. Harlan, chief judge of the supreme bench, spoke on "Henry Phipps, benefactor, of Baltimore." Dr. William J.

Holland, director of the Carnegie Museum, spoke on behalf of Pittsburgh and Dr. Talcott Williams, on "Henry Phipps, a native of Philadelphia."

LORD AVEBURY took the chair at the annual *conversazione* of the Selborne Society on May 7. Two lectures were given, the first on "How Birds Fly," by Mr. F. W. Headley, F.Z.S., science master at Haileybury College, and the second on "How Men Fly," by Mr. T. W. K. Clarke, A.M.I.C.E., the first engineer to build aeroplanes in Great Britain. Mr. James Buckland exhibited a number of lantern slides illustrating the birds that are in danger of extermination in various parts of the world. There was also a display of microscopes and natural history exhibits.

THE seventy-seventh annual meeting of the British Medical Association will be held in Belfast on July 23-31. The president-elect is Sir William Whitla, professor of materia medica and therapeutics, Queen's College, Belfast. The address in medicine will be delivered by Dr. R. W. Philip, that in surgery by Professor A. E. J. Barker, and that in obstetrics by Sir John W. Byers. The popular lecture will be delivered by Dr. J. A. Macdonald.

News has been received from Dr. Charcot's Antarctic expedition which has arrived at Deception Island, one of the South Shetland group, on December 22. The *Pourquoi-Pas* left the island on Christmas day for Port Lockroy, from which it was to proceed to the south. Dr. Charcot hopes to establish his winter quarters on Alexander Land, the name given to the region lying to the south of Graham Land in about 70° south latitude, which will form a point of departure either for exploring the coast line towards King Edward VII. Land or for penetrating into the interior. No further news may be expected from Dr. Charcot for at least a year.

A NATIONAL conference on criminal law and criminology in celebration of the fiftieth anniversary of the founding of the Northwestern University School of Law will be held in the Northwestern University building, Chicago, on June 7 and 8.

THE annual meeting of the Naples Table Association for Promoting Scientific Research by Women was held on April 24 by invitation of Director Bumpus, at the American Museum of Natural History. Miss Caroline McGill, of the University of Missouri, was appointed a scholar of the association at the Naples Station. The award of the prize of one thousand dollars offered every second year for the best thesis written by a woman on a scientific subject, embodying new observations and new conclusions based on an independent laboratory research in biological, chemical or physical science, was made to Miss Florence Buchanan, D.Sc., of London University, fellow of University College, London, for a thesis entitled "The Time taken in the Transmission of Reflex Impulses in the Spinal Cord of the Frog." Of the eleven theses presented in competition five were sent from England and one from Canada. The subjects of four were morphological, of two bacteriological, of two zoological, one physiological, one was in parasitology and one in physical chemistry.

THE seventh Congress of the International Institute of Sociology will meet in Bern, from July 20 to 24 next at the invitation of the Swiss government. The sessions will be held in the university and under its auspices. Senator Baron R. Garofale, of Venice, will preside, and the subject of social solidarity will be discussed from a variety of wholly scientific points of view. Representatives of many countries, including the United States, will be in attendance. It will be remembered that the last congress was held in July, 1906, at the University of London, under the presidency of the eminent French economist, M. Levasseur, when the opposite question of social struggles was exhaustively canvassed.

THE International Congress of Psychology will hold its sixth meeting in Geneva this year from August 3-7, under the Presidency of Professor Thomas Flournoy. The program, as noted in the *British Medical Journal*, includes discussion of general and special topics, questions of standardization, demon-

stration of apparatus, and individual papers. The general topics to be discussed are feelings (by Külpe and Sollier), subconsciousness (Dessoir, Janet, Prince), measure of attention (Patrizi, Ziehen), religious psychology (Höfding, Leuba). The special topics are the psychopedagogical classification of backward pupils (Decroly, Ferrari, Heller, Witmer), pedagogical psychology (Ioteyko), orientation at a distance (Thauziès), perception of position and movement of the body and limbs (Bourdon). Under standardization will be included terminology, standard colors, enumeration of errors in testimony experiments, notation of age of children, mathematical determination of numerical results of experiments. Communications relative to the congress should be addressed to the general secretary, Professor Ed. Claparède, 11, Avenue de Champel, Geneva.

THE skeleton of the fine male *okapi* presented to the Natural History Museum some time since by Major Powell-Cotton has, we learn from the London *Times*, been articulated and put out in the east corridor. The attitude corresponds with that of the mounted skin, for which the museum is indebted to the same donor, the head and neck being nearly in a line with the back. When the *okapi* was described it was believed that the neck was partly raised, and this idea was embodied in mounting the skin of the female presented by Sir H. H. Johnston. It has since been found that the head and neck are stretched forwards. In addition to the two mounted specimens mentioned, the museum has a third, obtained by the Alexander-Gosling expedition, and presented by Mr. Boyd Alexander. This possesses the small bare tips to the horns, which are not developed in Major Powell-Cotton's specimen. In one of the cases of the geological gallery casts of the skull of the *okapi* have been put out by the side of the skull of the extinct *Samotherium*, its nearest ally, for comparison. So close is the resemblance between these two forms that in the official guide to the extinct mammals and birds one species of *Samotherium* is referred to as "an extinct *okapi*."

UNIVERSITY AND EDUCATIONAL NEWS

THE recent New York legislature passed the bill providing that the governor of the state shall appoint five members of the board of trustees of Cornell University. The bill to establish at Cornell a state school of sanitary science and public health was not passed. For the general support of the State College of Agriculture, Cornell University, the legislature has appropriated \$175,000, an increase over last year of \$25,000.

PROFESSOR WILLIAM NICHOL, of Kingston, has given to Queen's University, Kingston, Ont., a building for mining and metallurgy, and the Ontario government has appropriated \$100,000 for a chemistry building.

At the recent McGill University convocation it was announced that \$60,000 had been guaranteed by the committee, which intends to establish a chair in memory of the late Dr. Harrington, professor of chemistry. About \$20,000 has already been subscribed and a committee of four has agreed to be responsible for the remaining \$40,000.

THE Sanders chemical laboratory at Vassar College was dedicated on May 15, when brief addresses were made by the donor, Dr. Henry M. Sanders, of New York; President Taylor, and Professor Charles W. Moulton, head of the department of chemistry.

DR. BOYD H. BODE, assistant professor of philosophy in the University of Wisconsin, has been appointed professor of philosophy in the University of Illinois.

At Williams College, Dr. F. L. Griffin has been appointed assistant Professor of mathematics; Dr. Brainerd Mears, instructor in chemistry and Dr. J. M. Warbeke, instructor in philosophy.

MR. J. K. ROBERTSON, of Toronto University, has been appointed lecturer in physics at Queens University.

MR. WALTER K. VAN HAAGEN, B.S., assistant in chemistry, Lehigh University, has been elected associate professor of chemistry in the University of Georgia.